

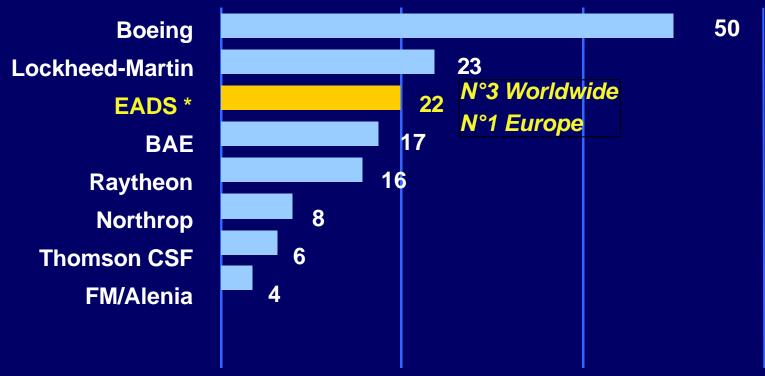
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**Report Documentation Page** 

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### **EADS**

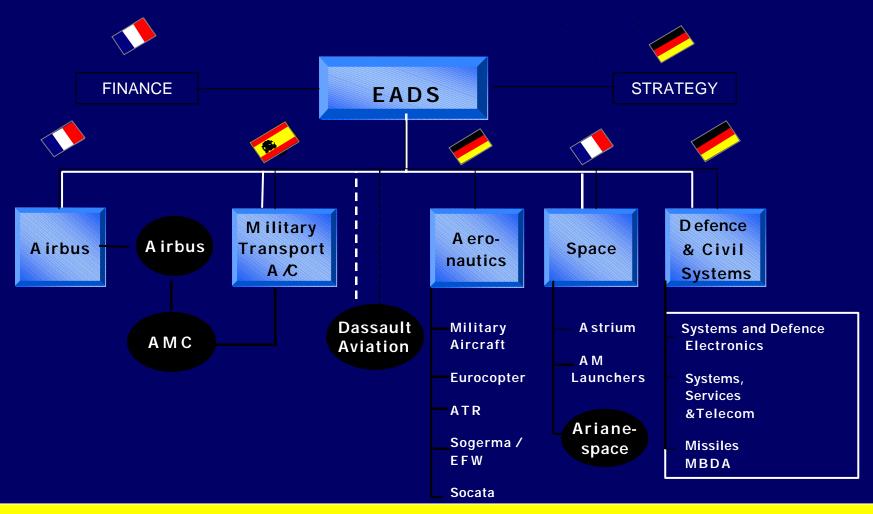
### ON THE LEADING EDGE OF GLOBAL AEROSPACE INDUSTRY



Revenues 1999 (quota consolidated) in bn euros



#### **BUSINESS UNITS AND MAIN PARTICIPATIONS**



Systems and Defence Electronics includes the former UAV activities from Aerospatiale, Matra, DASA and CAC Systems



ISR
Intelligence
Surveillance
Reconnaissance

**BUSINESS**DEVELOPMENT

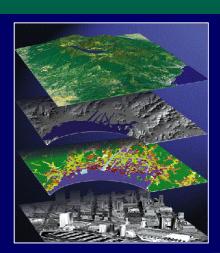
**SYSTEMS** 

GROUND SEGMENTS

**GEOMATICS** 





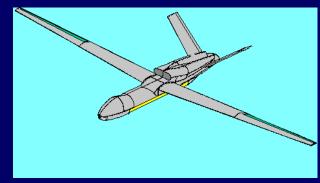




## UAV SYSTEMS ON EVERY SEGMENTS



**MALE** 



**MULTIMISSION HALE** 



**HIGH SPEED UAV** 



**ARMY TACTICAL UAV** 



**MARITIME UAV** 



#### **OBJECTIVES**

### THE CORE SYSTEM IS DESIGNED TO SUPPORT THE MAIN FOLLOWING REQUIREMENTS:

- AIRWORTHINESS AND SYSTEM CERTIFICATION
- INTEROPERABILITY
- STANDARDS RESPECT (STANAG)
- FULL EVOLUTIVITY AT LOW COST
- HIGH LEVEL OF INFORMATION MANAGEMENT AND PROCESSING PERFORMANCE
- LOW LIFE CYCLE COST

A REAL OPEN AND MODULAR ARCHITECTURE BOTH FOR AIR VEHICLE AND GROUND SEGMENT



### **THE TOOLS (1/2)**

- A FULL REDUNDANT COMMUNICATION BUS WITH IMPLEMENTATION OF DETERMINISM AND SEGREGATION SERVICES (TO RECEIVE ALL MODULES)
- A REAL TIME OPERATING SYSTEM WITH ALL OBJECT ARCHITECTURE, COMMON FOR ALL SYSTEMS The OS becomes a components' assembly which is dynamically linked and provides:
  - The choice of components really needed
  - Determinism and pre-emptivity
  - low size code
  - evolution facility and regression reduction risk (code addition without recompilation of existing or sources modification)

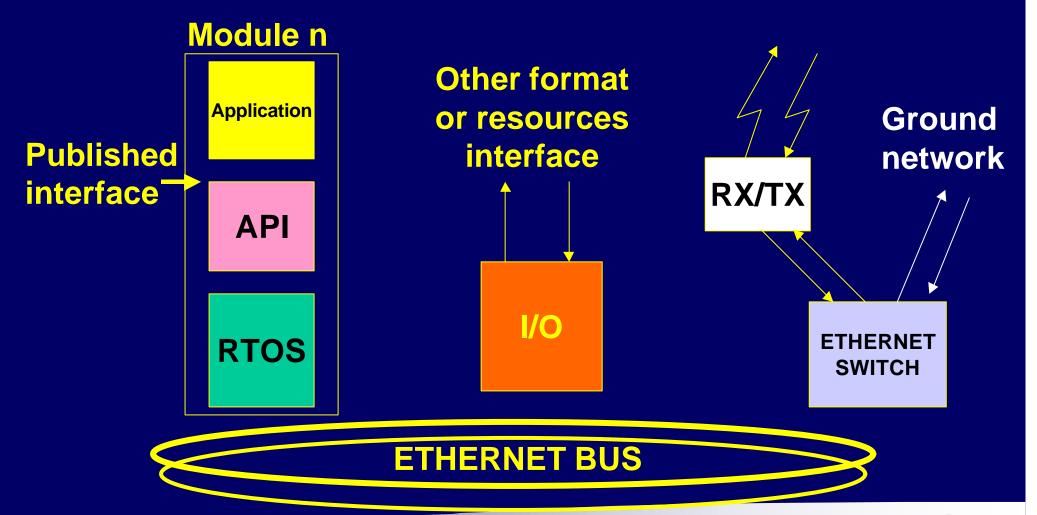


### **THE TOOLS (2/2)**

- A COMMON INTERFACE DEVELOPMENT (API) FOR EACH MODULE:
  - Open interface (Published format)
  - Set up by software
  - Functions or systems splitting



### **INTERNET SERVER MODEL ARCHITECTURE**





#### THE MEANS

EADS WHICH OFFERS QUITE ALL AERONAUTICAL SKILLS WILL COOPERATE WITH SME OF EXCELLENCE IN ORDER:

- TO DEVELOP HIGH SYNERGY ON A STRUCTURANT PROGRAM
- TO IMPLEMENT CONTINUOUSLY HIGH TECHNOLOGY SKILLS WITH MATURE AND MASTERED PRODUCTS

« WELCOME SINOVIA... »

